

The appropriate fee for entry of this submission after final rejection under 37 C.F.R. §1.129(a) is being filed concurrently herewith, along with a petition and fee for an appropriate extension of time.

In the Claims

Please cancel claim 35.

Please amend claims 33, 36 and 37 as indicated below (All of the claims as amended are attached as Appendix A for the Examiner's convenience):

33. (Amended) A kit useful for facilitating the diagnosis of hypertrophic cardiomyopathy, comprising:

C¹ a first container holding an RNA probe completely hybridizable to the β cardiac myosin heavy chain DNA, wherein said RNA probe is capable of detecting a hypertrophic cardiomyopathy-associated mutation;

a second container holding primers useful for amplifying β cardiac myosin heavy-chain DNA; and

instructions for using the components of the kit to detect the presence or absence of a hypertrophic cardiomyopathy-associated mutation in amplified β cardiac myosin heavy-chain DNA for facilitating the diagnosis of hypertrophic cardiomyopathy.

C² 36. (Amended) An isolated RNA probe comprising ribonucleotides arranged in a sequence which is complementary to at least a portion of β -cardiac myosin heavy-chain DNA, said probe useful for facilitating the diagnosis of hypertrophic cardiomyopathy by being capable of detecting [arranged in a sequence to detect] a hypertrophic cardiomyopathy-associated mutation.